

Abstract of the Disclosure

Disclosed are a novel hedgehog protein, i.e., a Desert hedgehog protein of human origin including mature and precursor forms, a DNA encoding the protein, a monoclonal antibody recognizing the protein, a process for producing the protein, and a method for detecting the protein. The hedgehog protein is useful in establishment of hybridomas which produce antibodies recognizing the protein, and the monoclonal antibody is useful in detection and purification of the protein. The hedgehog protein, DNA, and monoclonal antibody of this invention have efficacy in elucidation of hereditary morphological abnormalities in humans to establish their treatments and diagnoses.